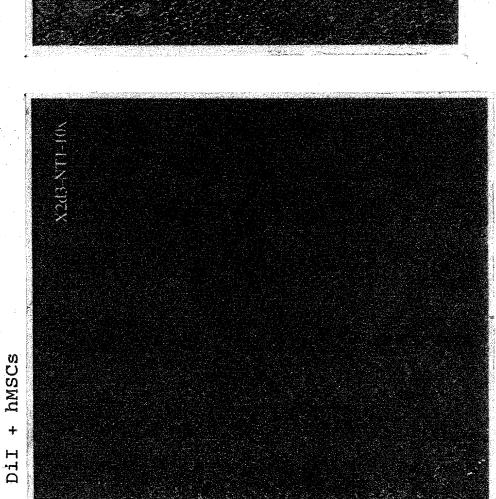
Non-Transduced hMSCs in Immuno-competent mouse muscle

Day 3



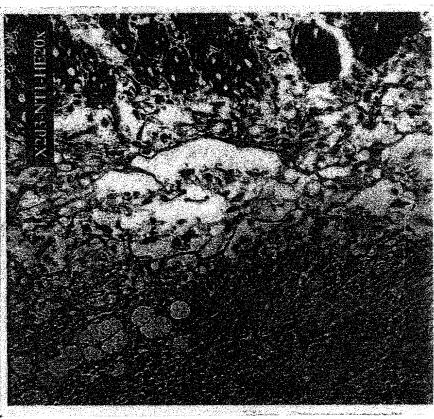


FIG. 10

F1 G. 16

Human MSCSs in Mouse Muscle: Day 7

Dil labelled cells + Sybr-green staining of all nuclei



2/19



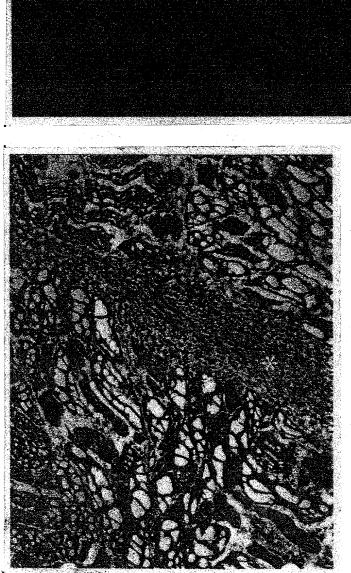
(H&E)

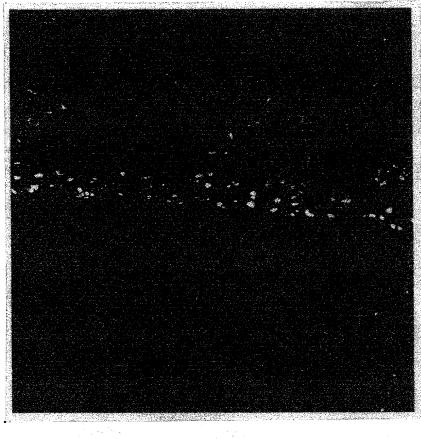
3 / 19

F1 G. 1c

Human MSCs in Mouse Muscles Day-7

(H&E, 20X)

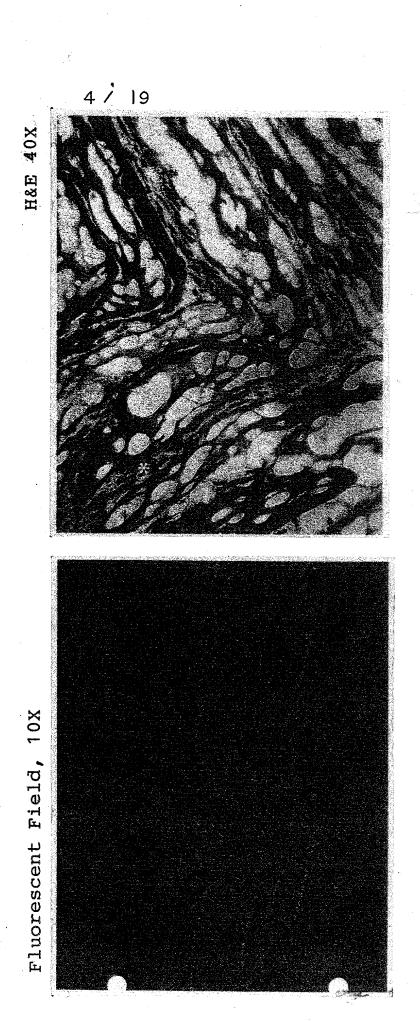




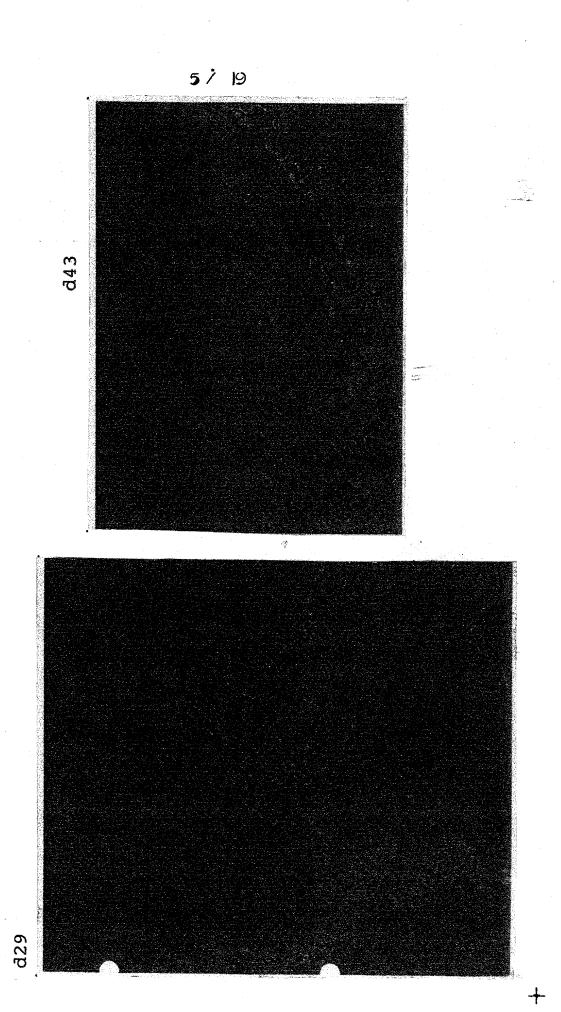
+

FIG. 1d

Human MSCs in Mouse Muscle: Day 14



Dil-Positive O-GalA Transduced hMSCs in Immuno-competent mouse muscle

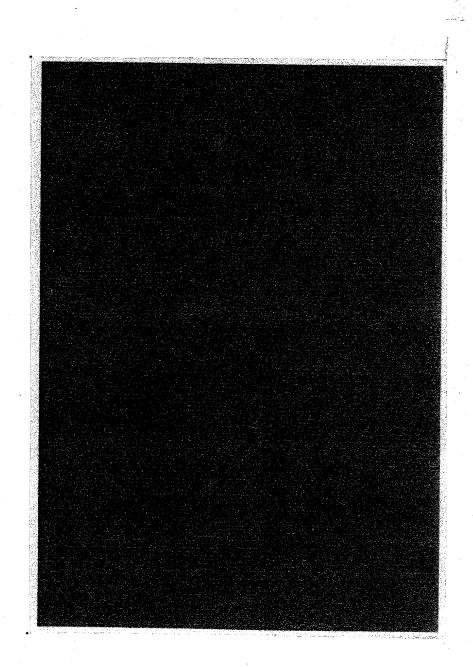


.

FIG. 1F

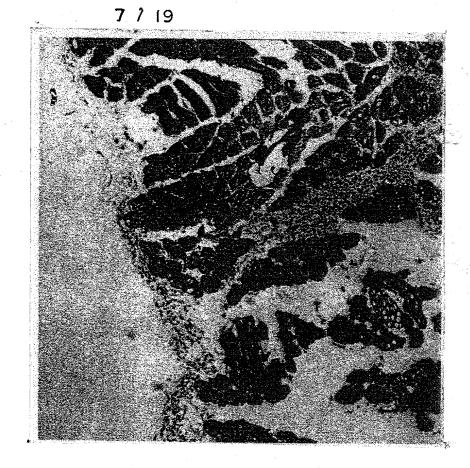
Human & GalA-Transduced MSCs in Mouse Muscle: Day-57

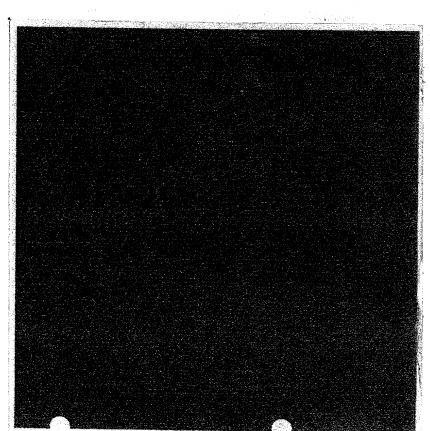
10X



F1G. 2

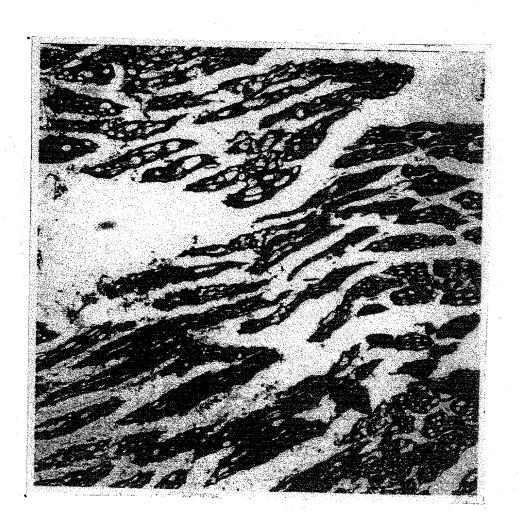
D3: IM injection of DiI-labeled PBMCs





F1 G. 3

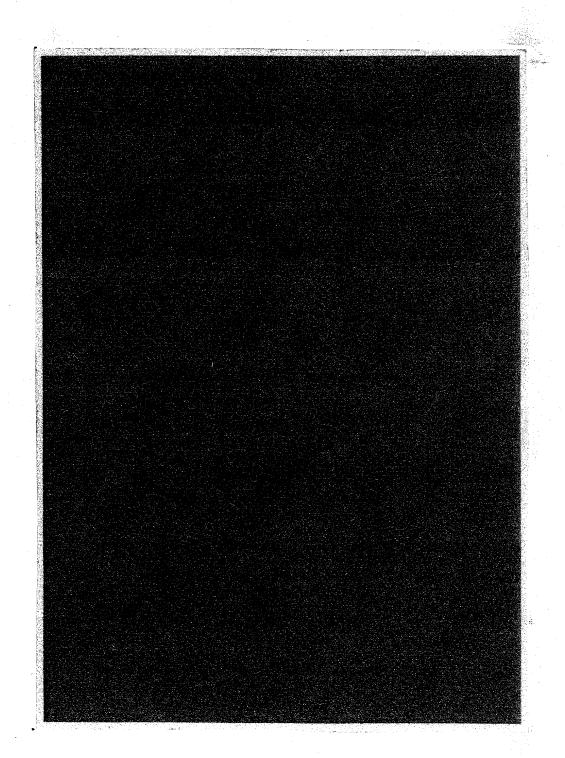
D3 IM injection of saline

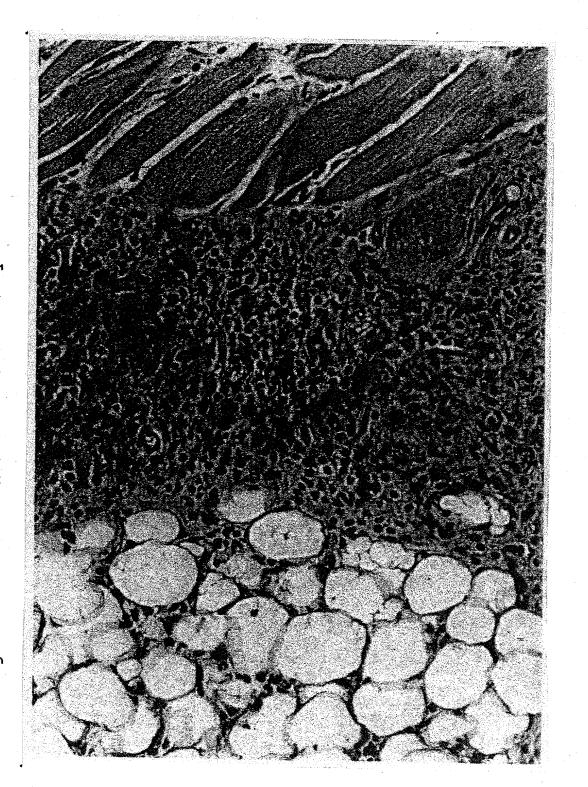


1

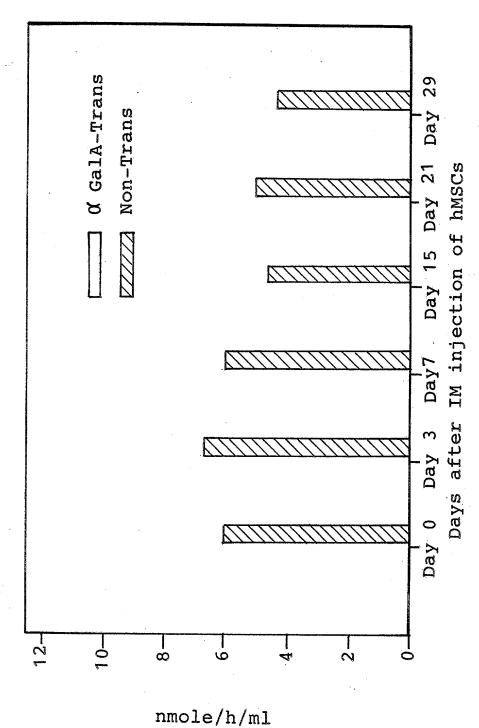
\ \ \ \

 $F \mid G. 4$ Red and Blue Florescence Channels merged









#: No MSCs, *n=2,

Fabry Mice plasma: 0.5 nmole/h/ml, PNAS 97:7515

Human-specific Alu esquence staining of hMSCs injected into Immuno-competent mouse muscle

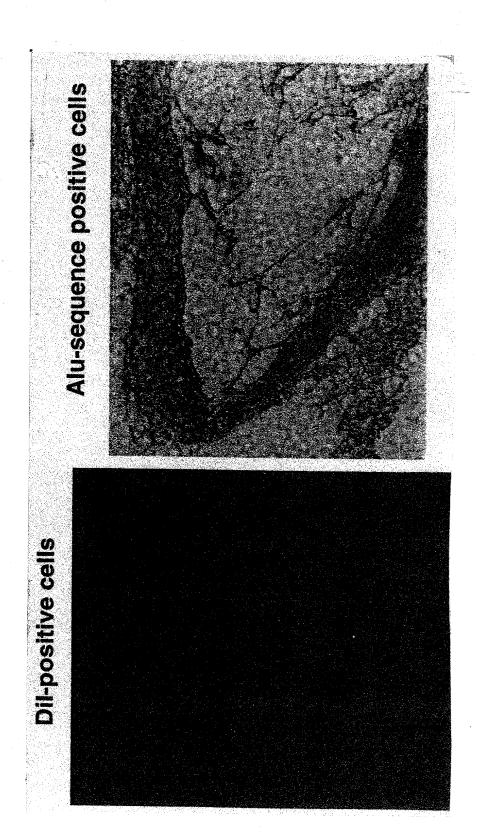
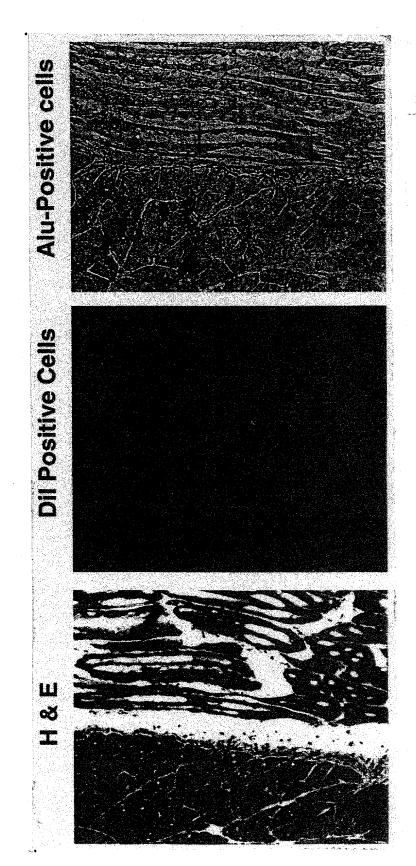
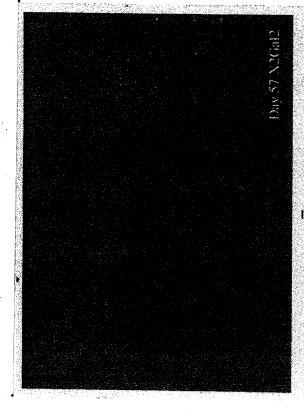


FIG. 76

Human MSCs in Mouse Muscle: 43 days



Day 57 Dil/Alu

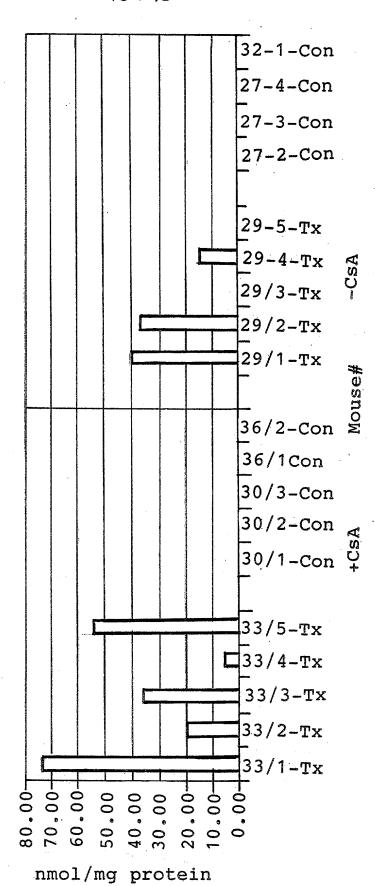




F1 G. 7c

FIG. 80

% GalA Activity in Muscles of Fabry-KO mice:

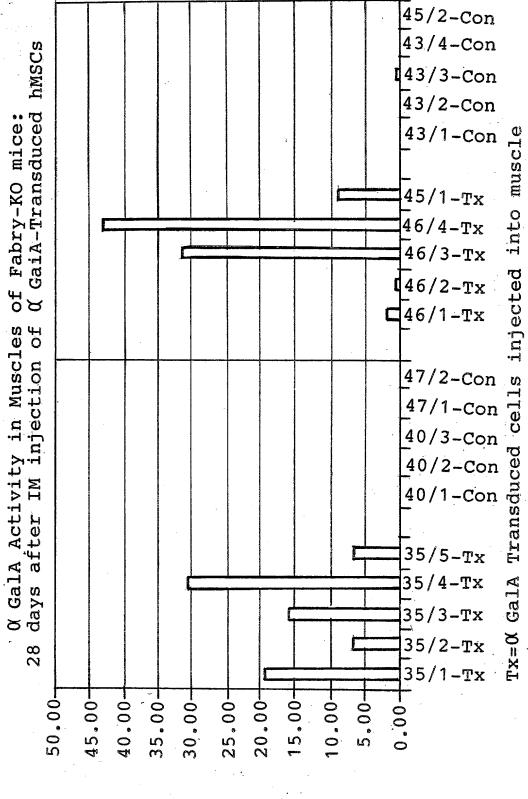


d GalA Transduced cells injected into muscle H ΤX

Con = Vehicle alone injected into muscle

+

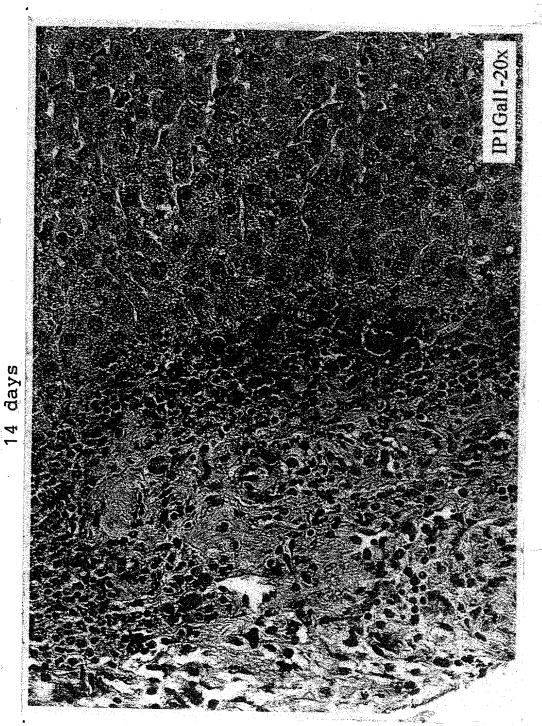




nmol/mg protein

Con=Vehicle alone injected into muscle

 $F \mid G.9\alpha$ GalA Immunostain of Liver from KO Mouse injected IP with α GalA-hMSCs on Cultisphers:



F1G.96

OGala Immunostain of Liver from KO Mouse injected IP with OGala-hMSCs on Cultisphers 14 days

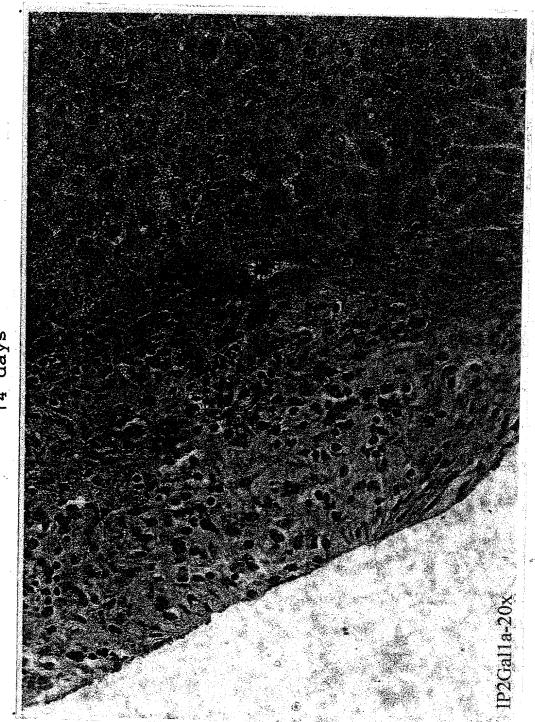
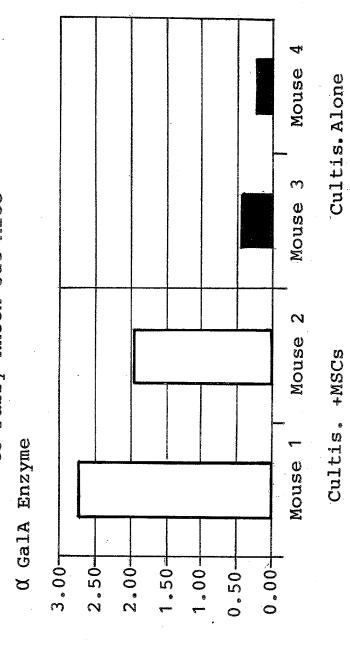


FIG. 10

Intra-Peritoneal Delivery of G GalA-Transduced hMSCs to Fabry Knock-Out Mice



nmol/mg protein

Increase in 0 GalA is 5% of normal mouse liver activity (41 nmole/mg)